Release B CDR RID Report

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Document CDR

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RID ID	CDR	1
Review	Release B CDR	
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Section	Page	Figure Table

Category Name Processing (DPS) Design

Actionee ECS

Sub Category

Subject Science Software Package "Subsetting"

Description of Problem or Suggestion:

The Science Software files you extract from the Data Server should depend on who you are (or why you want them):
1) For executing in PDPS, you want executable and lookup tables (not source, documentation, or sample input/output)
2) Science users want source files, documentation and some (not all) sample input/output
3) Science Team members or DAAC SSIT personnel may want to extract all of the above.
There appears to be no means to either identify files by type in constructing the Science Software Package for archival, or to specify which kind of subset is desired on acquire.

Originator's Recommendation

Provide a means for identifying file types (using extensions and Unix "file" to set defaults for each file) making up a Science Software Package. Also, provide a means of acquiring just the parts you need for certain specific purposes, such as execution, SSIT, and science usage.

GSFC Response by:

GSFC Response Date

HAIS Response by: M. Mauthe

HAIS Schedule

HAIS R. E. C. Schwartz

HAIS Response Date 8/13/96

New requirements have been written for Release A (approved CCR 96-445) to store the SSAP (Science Software Archive Package) at the Data Server as an ESDT with a format described in the Core Metadata Model (it is currently listed under the name Delivered Algoithm Package in the Core Metadata Model). Thus the design for SSAP "Subsetting" is the creation of an ESDT for SSAPs, made up of the various parts of an SSAP: documentation, source code, test data, test results, executables and scripts. As such an ESDT, the pieces of an SSAP can be retrieved from the Data Server just like the entire SSAP.
The directory information for the source code will be maintained in the subset of the SSAP for source code, so that the source files can be extracted in their "accepted" directory structure.

Since the ESDT mechanism already exists, this new design only requires the creation of a new ESDT (the one that describes the pieces and parts of an SSAP) and some altered code in AIT (Algorithm Integration and Test) to store and retrieve the SSAP via its ESDT format.

Status **Closed**   **Date Closed** **8/23/96**   **Sponsor** **Kempler**

****** **Attachment if any** ******